AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE K	PAGE 1 OF 17

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0004	09 October 2001	N/A	

6. ISSUED BY CODE SCO600	7. ADMINISTERED BY (*If other than Item 6*) CODE
DEFENSE ENERGY SUPPORT CENTER 8725 JOHN J. KINGMAN ROAD, SUITE 4950 FT. BELVOIR, VA 22060-6222 FAX (703) 767-8757 BUYER/SYMBOL – M. NICHOLSON/DESC-APP PHONE (703) 767-9652 P.P. 8.2	

8. NAME AND ADDRESS OF CONTRACTOR (*NO., street,city,county,State,and ZIP Code*)		9a. AMENDMENT OF SOLICITATION NO.
	X	SP0600-01-R-0074
		9b. DATED *(SEE ITEM 11)* June 4, 2001
		10a. MODIFICATION OF CONTRACT/ORDER NO.
		10b. DATED *(SEE ITEM 13)*

11. **THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers
[ ] is extended, [X] is not extended

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning __1__ copies of the amendment;(b) By acknowledging receipt of this amendment on each copy of the offer submitted; or(c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. **ACCOUNTING AND APPROPRIATION DATA** *(If required)*

13. **THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. I2.05 CHANGES-FIXED PRICE (AUG 87)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.01
	OTHER *(Specify type of modification and authority)*

E. **IMPORTANT:** Contractor [ ] is not, [ ] is required to sign this document and return ____1__ copies to the issuing office.

14. **DESCRIPTION OF AMENDMENT/MODIFICATION** *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Please see the following pages.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (*Type or print*)		16A. NAME OF CONTRACTING OFFICER Vema L. Velez	
15B. NAME OF CONTRACTOR/OFFEROR BY _____ *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY *Verna L. Velez* *(Signature of Contracting Officer)*	16C. DATE IGNED **09 October 2001**

NSN 7540-01-152-8070 30-105
STANDARD FORM 30 (REV. 10-83)
PREVIOUS EDITION UNUSABLE
Prescribed by GSA FAR (48 CFR) 53.243

This amendment is issued to incorporate the following changes to solicitation SP0600-01-R-0074.

Section J Attachment J01 – Fort Jackson Electrical Distribution System is deleted in its entirety and Attachment J01(A) is hereby added. Prospective offerors should refer to this attachment in proposal preparation.

Attachment J01(A)

Fort Jackson Electrical Distribution System

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List of Tables

J01 Fort Jackson Electrical Distribution System

J01.1 Fort Jackson Area Overview

The mission of Fort Jackson is to provide the Army with basically-trained, disciplined, motivated, and physically-fit soldiers who espouse the Army's core values and are focused on teamwork. Advanced Individual Training (AIT) provides the Army with disciplined, motivated, and physically-fit, apprentice-level soldier mechanics who espouse the Army's core values and are focused on teamwork. The Pre-Command Course (PCC) provides the Army with leaders who are highly proficient in the initial entry training process.

Fort Jackson further supports the following major activities and other tenant and affiliated organizations and designated reserve component units in accomplishing their missions. It also supports the members of the Fort Jackson community in sustaining their Quality of Life -- physically, mentally and spiritually.

Major Activities/Tenants include:

Basic Combat Training (BCT)
Basic Training Tour
1st Basic Combat Training Brigade
1st Battalion, 28th Infantry Regiment
2nd Battalion, 28th Infantry Regiment
2nd Battalion, 13th Infantry Regiment
3rd Battalion, 13th Infantry Regiment
2nd Battalion, 60th Infantry Regiment
4th Training Brigade
1st Battalion, 61st Infantry Regiment
2nd Battalion, 39th Infantry Regiment
1st Battalion, 34th Infantry Regiment
187th Ordnance Battalion
Victory Brigade and Support of Basic Training
120th AG Battalion
748th EOD
5th Training Brigade
1st Battalion, 307th Regiment
2nd Battalion, 307th Regiment
3rd Battalion, 307th Regiment
1st Battalion, 345th Regiment
2nd Battalion, 345th Regiment

2nd Battalion, 347th Regiment
Advanced Individual Training (AIT)
Chaplain Center & School
Drill Sergeant School
Pre-Command Course
Soldier Support Institute
Adjutant General School
Finance School
NCO Academy
Recruiting and Retention School
Moncrief Army Community Hospital
379th Military Police Detachment (Criminal Investigation Division)
Law Enforcement Activity
Savannah Veterinary Command
Other Military and Civilian Organizations

J01.2 Electrical Distribution System Description

J01.2.1 Electrical Distribution System Fixed Equipment Inventory

The Fort Jackson electrical distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Base, and/or Government ownership currently, starts to the point of demarcation defined by the real estate instruments. Generally, the point of demarcation will be the building footprint. The system may include, but is not limited to, substations, transformers, underground and overhead circuits, utility poles, switches, vaults, and street lighting fixtures. The following description and inventory are included to provide the Offeror with a general understanding of the size and configuration of the distribution system. .
The Offeror shall base their proposal on site inspections, information in the bidder's library, other pertinent information, and, to a lesser degree, the following description. Under no circumstances shall the successful Contractor be entitled to any rate adjustments based on the accuracy of the following description and inventory.

J01.2.1.1 Description

Construction of the existing electrical power system began in the early to mid-1950s. Additions, upgrades and demolition of portions of the electrical network were accomplished, as the needs required. The electrical distribution system exhibits the design and construction practices of 1960-1980 eras. There are two on-going projects relating specifically to the electrical substation: one involves the upgrade/replacement of wire, conduit and circuit breakers from inside the substation to the new Post Exchange located on Moseby Street; the other contract involves the replacement of 1 oil circuit breaker (OCB) with a new vacuum breaker and new disconnect blade switches on 10 of the 16 circuit breaker bays in the

substation. The system is basically a four-wire Wye connected, 8300 volts to phase and 4800 volts phase to ground, loop distribution network with step down transformers stations installed at scattered load centers. The original mode of overhead power line construction gave way to underground power cable feeder installations in congested areas. The present electrical network is a mixture of both overhead and underground facilities.

The South Carolina Electric & Gas Company (SCE&G) is the sole supplier of electric power to Fort Jackson. SCE&G has two 115 kV transmission lines extending onto the installation. The two 115 kV lines form a looped feeder to the Main Substation. Automated disconnect switches permit SCE&G to feed the Main Substation from either direction in the event of a feeder interruption from the SCE&G portion of the Main Substation of the substation from the 2 1/2" Extra Heavy Copper Bus. The Army-owned equipment includes a 5600 KVA regulator, approximately 15OCBs, sixteen gang-operated circuit feeder transfer switches; 5KVA-station power transformer, backup battery power for OCB operation and bus disconnect switches operate transfer switches. The substation supplies power to fifteen circuits. Each circuit gang-operated feeder transfer switch can select either a dedicated OCB or a TIE BUS. The TIE BUS connects to the spare OCB via a gang-operated switch.

The substation was constructed circa 1973. Most of the underground cable lines on the installation were constructed at about the same time. Fort Jackson's Directorate of Logistics & Engineering (DLE) staff performs the entire operations & maintenance (O&M) requirements for the installation . The electrical distribution location of the various range facilities is clearly required but existing information and drawings to each site are not well documented. The radial feeders into the ranges provide service connections for periodic field maneuvers. The street lighting system and fixtures are a mixture of high-pressure sodium (HPS), and mercury vapor. HPS lamp fixtures are being installed as less-efficient lamp fixtures fail.

Circa 1991, a testing program identified PCB-contaminated equipment followed by a clean-up and replacement program. DLE reports no known PCB-contaminated components remain. The existing underground power circuits and duct banks were installed in the 1980s. Spare duct was installed in some duct banks during construction. Pad-mounted sectionalizing switches were installed to provide operational and maintenance capabilities. Underground street lighting circuits were installed in family housing using direct-buried cables; with few exceptions; all other underground street lighting is in conduit.

Gang-Operated Air Brakes (GOAB) switches are installed on the overhead primary power feeders for system operating and maintaining purposes. The sectionalizing capability and capability to back-feed with these switches have greatly increased system reliability.

The basic overhead power distribution system was constructed during the 1960s. Construction is primarily wood poles and a combination of wood cross-arm units with suspension insulators or pin-type insulators, porcelain standoff insulators, and polymer-type insulators. The distribution system is WYE connected 8320 volts phase to phase and 4800

phase to ground. The overhead conductor is predominantly ASCR with some hard-drawn copper.

The underground power distribution system was constructed during the 1970s and 1980s. Most of the underground primary cables are installed in concrete-encased ducts banks. Manholes are utilized to provide working areas for cable pulls and splice points. Conventional-type power distribution, pad-mounted transformers are installed in the main cantonment areas; a mixture of pole and compact-type, pad-mounted units are installed in the residential areas.

J01.2.1.2 Inventory

Table 1 provides a general listing of the major electrical system fixed assets for the Fort Jackson electrical distribution system included in the purchase. The system will be sold in an "as is, where is" condition without any warrant, representation, or obligation on the part of the Government to make any alterations, repairs, or improvements. All ancillary equipment attached to and necessary for operating the system, though not specifically mentioned herein, is considered part of the purchased utility. Refer to A-76 folder for additional information, Technical Exhibits: 5.01-001-I (outside electrical) and 5.3-009 (transformers). The information in the A-76 folder as well as the information in the tables below should be taken as general or approximate information.

Table 1
Fixed Inventory
Electric Distribution System – Fort Jackson

Item	Quantity	Unit	Approximate Year of Construction
Substation			
Structure/Buswork	1	Bay	1965
OCB Switchgear	17	Ea	1965
Voltage Regulator	1	Ea	1973
SCE&E owned Section of Substation Power Transformer (24MVA)	2	Ea	1954&1978
Overhead Distribution Lines			
Large	53,434	Linear Ft	1960-1985
Small	811,008	Linear Ft	1960-1985
Double Phase	147,312	Linear Ft	1960-1985
Single Phase	127,776	Linear Ft	1960-1985
Secondary	200,112	Linear Ft	1960-1985
Group Operated Air Break Switches	28	Ea	1960-1985
Underground Distribution Lines			

Item	Quantity	Unit	Approximate Year of Construction
Large	53,434	Linear Ft.	1975-1995
Small	106,920	Linear Ft.	1975-1995
Secondary	191,347	Linear Ft.	1975-1995
Pad Mounted Switches	12	EA.	1975-1995
Pole Mounted Transformers			
15 kVA and smaller	305	Ea	1972-1997
25 kVA	210	Ea	1972-1997
37.5 kVA	158	Ea	1972-1997
50 kVA	151	Ea	1972-1997
75 kVA	64	Ea	1972-1997
100 kVA	41	Ea	1972-1997
167 kVA	3	Ea	1972-1997
Pad Mounted Transformers 1-Ph			
15 kVA or smaller	0	Ea	1972-1997
25 kVA	1	Ea	1972-1997
37.5 kVA	22	Ea	1972-1997
50 kVA	12	Ea	1972-1997
75 kVA	26	Ea	1972-1997
100 kVA	27	Ea	1972-1997`
167 kVA	3	Ea	1972-1997
225 kVA	22	Ea	1972-1997
Pad Mounted Transformers 3-Ph			
75 kVA	5	Ea	1972-1997
100 kVA	1	Ea	1972-1997
112.5 kVA	2	Ea	1972-1997
150 kVA	9	Ea	1972-1997
200 kVA	1	Ea	1972-1997
225 kVA	22	Ea	1972-1997
300 kVA	21	Ea	1972-1995
500 kVA	27	Ea	1972-1997
750 kVA	9	Ea	1972-1997
1500 kVA	14	Ea	1972-1997
2000 kVA	3	Ea	1972-1997
2500 kVA	3	Ea	1972-1997
Street Lights			
Fixtures	3,192	Ea	1967-1987
Poles	1,172	Ea	1967-1985
Lighting circuits (O/H & U/G)	177,144	Linear Ft	1967-1985
Services			
3-Ph	464	Ea	1967-1985
1-Ph	1,071	Ea	1967-1985

JO1.2.1.2.1 Electrical Utility Work-Orders

Table 1a lists the work-orders that have been identified as potential projects to improve and/or maintain the existing electrical utility system. The listed projects do not reflect priority or probable funding, and is provided for information only.

PROJECT DESCRIPTION	
Replace 50 Poles	
Replace 100 poles	
Replace all OCB's in substation	

J01.2.2 Electrical Distribution System Non-Fixed Equipment and Specialized Tools Inventory

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field-verify all equipment and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment and tools. The successful Contractor shall provide any and all equipment, vehicles, and tools, whether included in the purchase or not, to maintain a fully operational system under the terms of this contract.

Table 2
Spare Parts are maintained and an inventory of "on hand" material will be furnished as part of final negotiations. These materials will be turned over to the contractor.

Table 2
Other Ancillary Equipment (Spare Parts)
Electric Distribution System – Fort Jackson

Qty	**Item**	**Make/Model**	**Description**	**Remarks**
None Identified				

Table 3
Specialized Equipment and Vehicles
Electric Distribution System – Fort Jackson

Description	**Quantity**	**Location**	**Maker**
None Identified			

J01.2.3 Electric System Manuals, Drawings, and Records Inventory

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

Table 4
Manuals, Drawings, and Records
Electric Distribution System - Fort Jackson

Qty	Item	Description	Remarks
None			

J01.3 Current Service Arrangement

Currently, Fort Jackson purchases electric power from SCE&G, which is the sole supplier of electric power to Fort Jackson. SCE&G has two 115 kV transmission lines extending onto the installation. The two 115 kV lines form a looped feeder to the Main Substation. Automated disconnect switches permit SCE&G to feed the Main Substation from either direction in the event of a feeder interruption. The SCE&G portion of the Main Substation includes two 22.4 MVA transformers, 115 kV/8320 volts, a 900 KVAR capacitor bank, and various disconnect switches.

J01.4 Secondary Metering

The Base requires secondary meters for internal billing of their reimbursable customers, utility usage management, and energy conservation monitoring. The Contractor shall assume full ownership and responsibility for the listed existing and future secondary meters IAW Paragraph C.3.

J01.4.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings during the same period of the month each month for all secondary meters except telephonically readable meters IAW Paragraph H.5 and J01.5 below and calibrate meters contained in Table 5 within 180 days after Notice to Proceed (NTP).

Table 5
Existing Primary and Secondary Meters
Electric Distribution System – Fort Jackson

Meter Location			Meter Description		
BLDG	Upgrade		METER	METER	REASON

NO.	Required	USER/FUNCTION	LOCATION	S/N	FOR METER
1155		RES ENGR	SIDE ENTRANCE TO BLDG	43905902	REIMBURSMENT
1558	X	LAUNDRY	REAR BLDG ON TRANSFORMER	85573630	REIMBURSMENT
1644		RNSUCFSU3	POLE NEAR BLDG	85176071	REIMBURSMENT
1701		120TH	INSIDE FENCE ON TRANSFORMER	70383973	REIMBURSMENT
1890	X	MEDICAL FACILITY			REIMBURSMENT
2159		PX ANNEX	REAR BLDG INSIDE MECHANICAL RM	50700022	REIMBURSMENT
2159		PX ANNEX	POLE SOUTH END BLDG	78775716	REIMBURSMENT
2369		PX ANNEX	BLDG NEAR MECHANICAL RM	65935435	REIMBURSMENT
2369		PX ANNEX	REAR BLDG NEAR FURNACE	10460272	REIMBURSMENT
2395		BOWLING 4TH BDE	POLE REAR OF BLDG		REIMBURSMENT
2396		ATM WACHOVIA	CORNER JACKSON & BEAUREGARD ST	95761016	REIMBURSMENT
2445		MEDDAC VET			REIMBURSMENT
2498		MEDDAC VET			REIMBURSMENT
2502		PX BRANCH	RIGHT SIDE BLDG	40225380	REIMBURSMENT
2522		LION'S CLUB	LEFT SIDE NEAR ENTRANCE	40228149	REIMBURSMENT
2522		LION'S CLUB	RIGHT SIDE BLDG INSIDE FENCE	64824341	REIMBURSMENT
3305		MCGRUDER CLUB	REAR OF BLDG ON TRANSFORMER	86170966	REIMBURSMENT
3630		O CLUB 70356585	REAR NEAR LOADING DOCK	70356585	REIMBURSMENT
3655		GOLF CLUB	POLE AT PUMP HOUSE	91416 300	REIMBURSMENT
3656		GOLF CLUB	ON TRANSFORMER LEFT FRONT	84832733	REIMBURSMENT
3659		GOLF CLUB	POLE REAR OF GOLF SHED	46833680	REIMBURSMENT
3664		GOLF CLUB	RIGHT SIDE OF BLDG	22928697	REIMBURSMENT
3664		GOLF CLUB	RIGHT SIDE OF BLDG	76496040	REIMBURSMENT
4110	X	New PX	AT TRANSFORMER OUTSIDE BUILDING		REIMBURSMENT
4120		PX ANNEX	REAR OF BLDG FENCED AREA	89644026	REIMBURSMENT
4323		MEDDAC DENTAL CLINIC			REIMBURSMENT
4395	X	POST EXCHANGE	LEFT SIDE OF BLDG ENTRANCE	66454523	REIMBURSMENT
4400		POST OFFICE BLDG	POLE FRONT ENTRANCE		REIMBURSMENT
4446		OFF WIVES CLUB	REAR OF BLDG		REIMBURSMENT
4447		NCO WIVES BLDG	REAR BLDG GREGG STREET		REIMBURSMENT
4464		BOWLING	LEFT BLDG AT FURNACE ROOM		REIMBURSMENT
4500	X	MONCRIEF ARMY HOSPITAL	PRIMARY FEED		REIMBURSMENT
4500	X	MONCRIEF ARMY HOSPITAL	BACKUP FEED		REIMBURSMENT
4520		PX ANNEX	ON POLE 10 FT FROM END BLDG	55068647	REIMBURSMENT
4522		PX ANNEX	INSIDE STORAGE ROOM	74387487	REIMBURSMENT
4575		TROOP MEDICAL CLINIC			REIMBURSMENT
4590		DENTAL CLINIC			REIMBURSMENT
4709		WACHOVIA	POLE 20 FT FROM BANK	55111577	REIMBURSMENT
4710		CREDIT UNION	FENCED AREA REAR BLDG	62083019	REIMBURSMENT
4712	X	PX (TO BE REPLACED)	POLE IN PARKING LOT	13466041	REIMBURSMENT
4712	X	PX (TO BE REPLACED)	FENCED AREA AT COOLING TOWER	29162288	REIMBURSMENT
4716	X	COMMISSARY	INSIDE BLDG 2ND FLOOR MAINT ROOM	30992104	REIMBURSMENT
5330		DENTAL CLINIC			REIMBURSMENT

5475	X	POST EXCHANGE	INSIDE EQUIPMENT ROOM	50967717	REIMBURSMENT
5475		PX ANNEX	TRANSFORMER SIDE BLDG	64390011	REIMBURSMENT
5615		SCHOOL	REAR BLDG ON TRANSFORMER	11027675	REIMBURSMENT
5615		SCHOOL	GONE	46689229	REIMBURSMENT
5650		SOUTHERN BELL	CORNER LEE AND IMBODEN ON BLDG 5650	77787417	REIMBURSMENT
5650	X	PX	REAR BLDG IN FENCED AREA	66084480	REIMBURSMENT
5670	X	PX ANNEX BURGER KING	REAR OF BLDG	78964595	REIMBURSMENT
5700		NCO CLUB	REAR BLDG ON TRANSFORMER	55459791	REIMBURSMENT
5702		NCO POOL	POLE REAR OF POOL OFF IMBODEN ST	68034078	REIMBURSMENT
5715		SCHOOL	ON TRANSFORMER LOADING DOCK	55205929	REIMBURSMENT
5900		SCHOOL	INSIDE BLDG UTILITY ROOM	31003844	REIMBURSMENT
5975		YOUTH CENTER	REAR OF BLDG IN FENCED AREA	15074604	REIMBURSMENT
6000		PALMETTO LODGE	LEFT SIDE OFFICE	76405499	REIMBURSMENT
6510		COMMUNITY ACTIVITY CENTER	REAR OF BLDG	80092153	REIMBURSMENT
9810		USAR 120TH	REAR BLDG ON TRANSFORMER	60088402	REIMBURSMENT
10440		PX ANNEX	INSIDE FENCED AREA LOADING DOCK	78924610	REIMBURSMENT
12500		PX PHOTO IN VIDEORAMA	REAR BLDG INSIDE FENCE	86170962	REIMBURSMENT
13000		US ARMY RESERVE	REAR BLDG AT LOADING DOCK	79987474	REIMBURSMENT
13100		US ARMY RESERVE	POLE LEFT SIDE ROAD	G84662276	REIMBURSMENT
13200		US ARMY RESERVE	INSIDE FENCE RIGHT OF BLDG ON XFORMER	83086133	REIMBURSMENT
AREA	X	EM HOUSING	POLE LEFT LEE RD, 200 FT NCO CLUB ENTRANCE	70265945	REIMBURSMENT
AREA	X	EM HOUSING	POLE PARKING LOT AT 5715		REIMBURSMENT
AREA	X	EM HOUSING	POLE 50 FT ON IMBODEN CORNER LEE ST	50944720	REIMBURSMENT
AREA	X	OFFICERS QTRS	POLE OFF LEE ROAD NEAR 4710	55016504	REIMBURSMENT
AREA	X	GENERAL QTRS	ON POLE IN WOODS	62177782	REIMBURSMENT
AREA		PX TRL PARK	CONTRACTOR PARKING LOT SEEMES RD	36890850	REIMBURSMENT
AREA	X	EM QTRS	POLE BEHIND QTRS 5823	82799538	REIMBURSMENT
LOG CABIN		WESTON LAKE MWR	LEFT SIDE OF CABIN	44748921	REIMBURSMENT
M2625		WESTON LAKE MWR	ON BLDG WESTON LAKE	85178892	REIMBURSMENT
M2626		WESTON LAKE MWR	ON BLDG WESTON LAKE	85178931	REIMBURSMENT
M2630		WESTON LAKE MWR	END TRAILER WESTON LAKE	77671040	REIMBURSMENT
M2634		WESTON LAKE MWR	POLE LEFT SIDE OF BATH HOUSE	77927910	REIMBURSMENT
M2763		WESTON LAKE MWR	ON POLE FRONT OF CABIN	85178893	REIMBURSMENT
M2764		WESTON LAKE MWR	ON POLE WESTON LAKE	85178894	REIMBURSMENT
M2771		WESTON LAKE MWR	END TRAILER WESTON LAKE	77787076	REIMBURSMENT
PVT		BIRONAS 69729731	REAR OF TRL AT CONTRACTOR SITE	69729731	REIMBURSMENT
TEMP		SOVRAN (BKS CONTRACTOR)			REIMBURSMENT
TEMP		URS-GREINER			REIMBURSMENT
TEMP		CENT CON			REIMBURSMENT
TEMP		WALKER WHITE			REIMBURSMENT
TEMP		HR ALLEN			REIMBURSMENT
TEMP		TYLER CONSTRUCTION			REIMBURSMENT
		SOUTHERN BELL	BLDG CORNER OF HARDEE & EARLY ST.	6864471	REIMBURSMENT
		ATM CREDIT UNION	PARKING LOT ON SUMPTER ST	77809727	REIMBURSMENT
		ATM CREDIT UNION	REAR BLDG	77927809	REIMBURSMENT

	SOUTHERN BELL	CORNER OF MARION AND IMBODEN	77927810	REIMBURSMENT
	ATM WACHOVIA	NEAR TRANSFORMER PX 5475	96590932	REIMBURSMENT
	ATM WACHOVIA	INSIDE FENCE AT LOADING DOCK 10440	96590951	REIMBURSMENT
	ATM CREDIT UNION	HAMPTION PARKWAY NEAR COOLING TOWER	74815041	REIMBURSMENT
	ATM CREDIT UNION	REAR BLDG PARKING LOT COMMISSARY	57448008	REIMBURSMENT
	SPORTS COMPLEX	REAR OF BLDG ON TRANSFORMER	92514648	REIMBURSMENT
	RADIO TOWER	POLE WEIR TOWER LEFT SIDE DIRT PATH	80817767	REIMBURSMENT
	SC NAT GUARD(KASSERINE PASS)	SIDE OF BLDG AT RANGE	36459894	REIMBURSMENT
10100	CHAPLAIN SCHOOL			
100000	SOLDIER SUPPORT INSTITUTE			
12650	TASC			

J01.4.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in Table 6. New secondary meters shall be installed IAW Paragraph C.13, Operational Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraph C.3 and J01.5 below.

Table 6
New Secondary Meters
Electric Distribution System – Fort Jackson

Meter Location	Meter Description
Replace Meters with X in the second column	Demand and energy profiling of all energy used by facility telephonically readable meter by Installation
New Central Energy Plant 1, Building 2288	Demand and energy profiling of all energy used by facility telephonically readable meter/s by Installation
New Central Energy Plant 2, Building 4333	Demand and energy profiling of all energy used by facility telephonically readable meter/s by Installation
New Central Energy Plant 3, Building 1699	Demand and energy profiling of all energy used by facility telephonically readable meter/s by Installation
DRMO	Provide standard meter for complex

J01.5 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

Invoice (IAW Paragraph G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the Contracting Officer's designee. (This information will be provided upon award)

Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall include the following information for Scheduled and Unscheduled outages:

Scheduled: Requestor, date, time, duration, facilities affected, feedback provided during outage, outage notification form number, and digging clearance number.

Unscheduled: Include date, time and duration, facilities affected, response time after notification, completion times, and feedback provided at time of outage, specific item failure, probability of future failure, long-term fix, and emergency digging clearance number.

Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the Contracting Officer's designee. (This information will be provided upon award)

Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor's monthly meter reading report will be prepared in an electronic format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the Contracting Officer's designee. (This information will be provided upon award)

System Efficiency Report. If required by paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the Contracting Officer's designee. (This information will be provided upon award)

J01.5.5 Annual Submittal(s)

The Contractor shall provide to the DLE Engineering Services Division one electronic file (.DGN/Micro station) and two hard copies of one line electrical diagrams to be submitted within 150 days after NTP.

The Contractor shall provide an updated electronic file by 1 February of each calendar year.

The Contractor shall provide an annual load analysis report indicating load profile of each substation circuit for each month and by phase.

J01.6 Energy Savings Projects

IAW Paragraph C.3, Utility Service Requirement. The following projects have been implemented by the Government for managing and monitoring.

None

J01.7 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the Fort Jackson boundaries except for the South Carolina National Guard McCrady Training Center on Leesburg Road near its eastern termination into SC highway 601, which has its own separate electrical service and it is owned and maintained by the utility provider.

J01.8 Off-Installation Sites

There are no off-installation sites associated with this scope.

J01.9 Specific Transition Requirements

IAW Paragraph C.13, Operational Transition Plan. **Table 7** lists service connections and disconnections required upon transfer, and **Table 8** lists the improvement projects which the Contractor may propose and cost. The Contractor shall propose such projects as alternate initial additive items upon transfer of the Fort Jackson electric distribution system.

Table 7
Service Connections and Disconnections
Electrical Distribution System – Fort Jackson

Location	Description
None Identified	

Table 8
System Improvement Projects
Electrical Distribution System – Fort Jackson

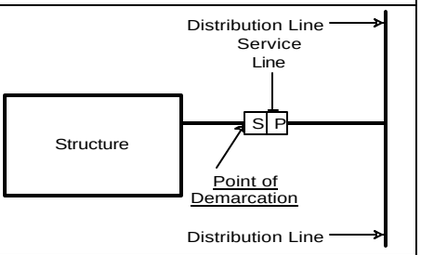
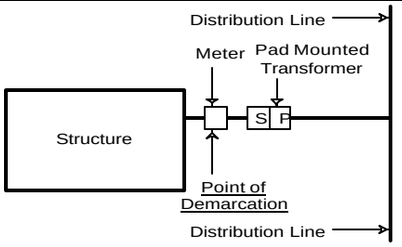
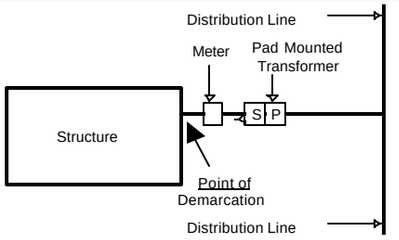
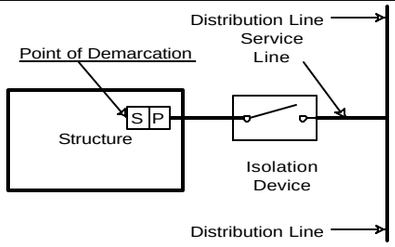
Location	Description
System	Upgrade voltage to 24.7/14.3 kV
	Poles
	Meters
	Electronic-load monitoring (remote) substation
	Meters at DRMO

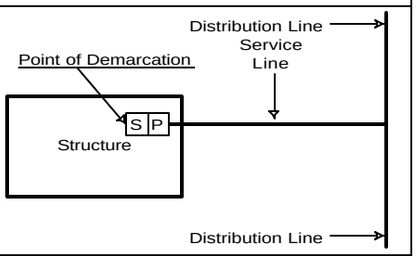
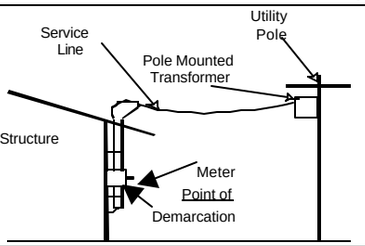
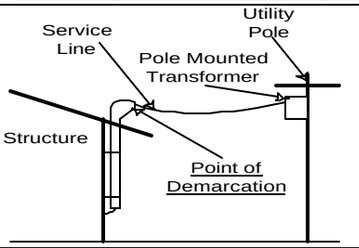
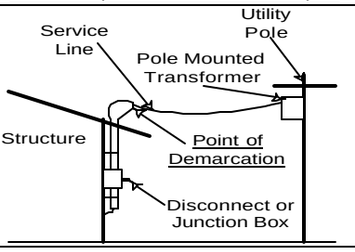
J01.10 Electric Distribution System Points of Demarcation

The point of demarcation is defined as the point on the distribution system where ownership changes from the Grantee to the building owner. This point of demarcation will typically be at the point the utility enters a building structure or the load side of a transformer within a

building structure. The table below identifies the type and general location of the point of demarcation with respect to the building for each scenario. During the operation and maintenance transition period, concurrence on specific demarcation points will be documented during the joint inventory of facilities.

Table 9
Points of Demarcation
Electrical Distribution System – Fort Jackson

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the transformer secondary terminal spade.	Pad Mounted Transformer located outside of structure with underground service to the structure and no meter exists.	
Facility side of the meter	Residential service (less than 200 amps and 240V 1-Phase), and three phase self contained meter installations. Electric Meter exists within five feet of the exterior of the building on an underground secondary line.	
Point of demarcation is the transformer secondary terminal spade.	Three Phase CT metered service.	
Secondary terminal of the transformer inside of the structure	Transformer located inside of structure and an isolation device is in place with or without a meter Note: Utility Owner must be granted access to transformer room.	

Point of Demarcation	Applicable Scenario	Sketch
Secondary terminal of the transformer inside of the structure	Transformer located inside of structure with no isolation device in place. Note: Utility Owner must be granted access to transformer room.	
Point of demarcation is the facility side of the meter .	Electric meter is connected to the exterior of the building on an overhead secondary line.	
Point of demarcation is the point where the overhead conductor is connected to the weather head.	Pole Mounted Transformer located outside of structure with secondary attached to outside of structure with no meter.	
Point of demarcation is the point where the overhead conductor is connected to the weather head.	Service may be overhead or underground. A disconnect switch or junction box is mounted to the exterior of the structure with no meter.	

J01.10.1 Unique Points of Demarcation

The following table lists anomalous points of demarcation that do not fit any of the above scenarios.

Table 10
Unique Points of Demarcation
Electrical Distribution System – Fort Jackson

Building No.	Point of Demarcation Description
None	None

J01.11 Plants and Substations

The following table lists plants and substations that will be transferred as part of the utilities privatization effort.

Table 11
Plants and Substations
Electrical Distribution System – Fort Jackson

Description	Facility #	State Coordinates	Other Information
Electrical Substation	4408		